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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet	1	of	6	Attorney Docket Number	06171.105074 IDX 1007 DIV
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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pgs, Clms, Lns, Where Relevant Passages/Relevant Figs Appear
		Number	Kind Code ^(if known)			
PL	AA	3,480,613	A	Walton <i>et al.</i>	11-25-1969	
	AB	5,977,061	A	De Clercq	11-02-1999	
	AC	6,340,690	B1	Bachand <i>et al.</i>	01-22-2002	
	AD	6,348,587	B1	Schinazi <i>et al.</i>	02-2002	
	AE	6,395,716	B1	Gosselin <i>et al.</i> (Novirio / Idenix)	05-28-2002	
	AF	6,444,652	B1	Gosselin <i>et al.</i> (Novirio / Idenix)	09-03-2002	
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	AH	2002/0019363	A1	Ismaili <i>et al.</i>	02-2002	
	AI	2002/0055483	A1	Watanabe <i>et al.</i>	05-09-2002	
	AJ	2002/0147160	A1	Bhat <i>et al.</i>	10-10-2002	
	AK	2003/008841	A1	Devos <i>et al.</i>	01-09-2003	
	AL	2003/028013	A1	Wang <i>et al.</i>	02-06-2003	
	AM	2003/0050229	A1	Sommadossi <i>et al.</i>	03-13-2003	
	AN	2003/0060400	A1	LaColla <i>et al.</i>	03-27-2003	
PL	AO	2003/0083307	A1	Devos <i>et al.</i>	05-01-2003	
PL	AP	2003/0087873	A1	Stuyver <i>et al.</i>	05-08-2003	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number	Kind Code ² (if known)				
PL	AQ	FR	1,521,076	A	Merck & Co. Inc.	04-12-1968		
	AR	FR	1,581,628	A	Merck & Co. Inc.	09-19-1969		
	AS	FR	2,662,165	A	Univ. Paris Curie	11-22-1991		
	AT	GB	1,163,103	A	Merck & Co. Inc.	09-04-1969		
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	AV	JP	63-215694	A	Yamasa Shoyu Co. Ltd.	09-08-1988		
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	AX	WO	98/16184	A2	ICN Pharmaceuticals	04-23-1998		
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PL	AZ	WO	00/09531	A2	Novirio Pharm. (Idenix)	02-24-2000		
PL	AAA	WO	01/32153	A2	Biochem Pharma	05-10-2001		

Examiner Signature	<i>Stuyver</i>	Date Considered	2-28-06
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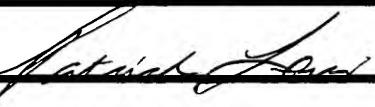
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Sheet	2	of	6	Attorney Docket Number	06171.105074 IDX 1007 DIV
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		Office ³	Number	Kind Code ² (if known)				
PL	BA	WO	01/60315	A2	Biochem Pharma	08-23-2001		
	BB	WO	01/68663	A1	ICN Pharmaceuticals	09-20-2001		
	BC	WO	01/79246	A2	Pharmasset	10-25-2001		
	BD	WO	01/90121	A2	Novirio Pharm. (Idenix)	11-29-2001		
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	BQ	WO	03/026589	A2	Idenix; CNRS; U. Montp.	04-03-2003		
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	BS	WO	03/051899	A1	Ribapharm	06-26-2003		
	BT	WO	03/061385	A1	Ribapharm	07-31-2003		
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	BAA	WO	03/072757	A2	Biota Inc.	09-04-2003		
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Y	BAC	WO	04/002422	A2	Idenix; Univ.D.S.Cagliari	01-08-2004		
Y	BAD	WO	04/002999	A2	Idenix; Univ.D.S.Cagliari	01-08-2004		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

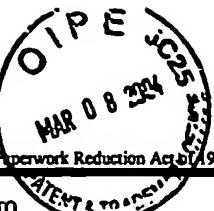
Examiner Initials •	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
PL	CA	ALTMANN <i>et al.</i> , "The synthesis of 1'-methyl carbocyclic thymidine and its effect on nucleic acid duplex stability," <i>Synlett, Thieme Verlag, Stuttgart, De</i> , 10:853-855 (1994).	
	CB	BAGINSKI, S. G. <i>et al.</i> , "Mechanism of action of a pestivirus antiviral compound," <i>PNAS USA</i> , 97(14):7981-7986 (2000).	
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	CE	BERENGUER, M. <i>et al.</i> , "Hepatitis B and C viruses: Molecular identification and targeted antiviral therapies," <i>Proceedings of the Association of American Physicians</i> , 110(2), 98-112 (1998).	
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	CJ	FARKAS, J. <i>et al.</i> , "Nucleic acid components and their analogues. XCIV. Synthesis of 6-amino-9-(1-deoxy- β -D-psicofuranosyl)purine", <i>Collect. Czech. Chem. Commun.</i> 32:2663-2667 (1967).	
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PL	CO	HARAGUCHI, K. <i>et al.</i> , "Preparation and reactions of 2'- and 3'- vinyl bromides of uracil nucleosides: Versatile synthons for anti-HIV agents," <i>Tetrahedron Letters</i> , 32(28):3391-3394 (1991).	

Examiner Signature	<i>Patricia Lewis</i>	Date Considered	2-28-06
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Sheet	4	of	6	Attorney Docket Number	06171.105074 IDX 1007 DIV
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials •	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. ²	T ³
PL	DA	HARAGUCHI, K., et al., "Stereoselective synthesis of 1'-C-branched uracil nucleosides from uridine," <i>Nucleosides & Nucleotides</i> , 14(3-5):417-420 (1995).	
	DB	HARRY-O'KURU, R.E., et al., "A short, flexible route toward 2'-C-branched ribonucleosides", <i>J.Org. Chem.</i> , 62:1754-1759 (1997). (Scheme 11).	
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	DD	HATTORI, H., et al., "Nucleosides and nucleotides. 175. Structural requirements of the sugar moiety for the antitumor activities of new nucleoside antimetabolites, 1-(3-C-ethynyl-b-D-ribo-pentofuranosyl)cytosine and -uracil," <i>J. Med. Chem.</i> , 41:2892-2902 (1998).	
	DE	HREBABECKY, H., et al., "Nucleic acid components and their analogues. CXLIX. Synthesis of pyrimidine nucleosides derived from 1-deoxy-D-psicose," <i>Collect. Czech. Chem. Commun.</i> , 37:2059-2065 (1972).	
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	DM	MARTIN, X., et al., "Intramolecular hydrogen bonding in primary hydroxyl of thymine 1-(1-deoxy-β-D-psicofuranosyl) nucleoside," <i>Tetrahedron</i> , 50(22):6689-6694 (1994).	
↓	DN	MATSUDA, A., et al., "Radical deoxygenation of <i>tert</i> -alcohols in 2'-branched-chain sugar pyrimidine nucleosides: Synthesis and antileukemic activity of 2'-deoxy-2'-(S)-methylcytidine," <i>Chem. Pharm. Bull.</i> , 35(9):3967-3970 (1987).	
PL	DO	MATSUDA, A., et al., "Alkyl addition reaction of pyrimidine 2'-ketonucleosides: Synthesis of 2'-branched-chain sugar pyrimidine nucleosides (Nucleosides and Nucleotides. LXXXI)," <i>Chem. Pharm. Bull.</i> , 36(3):945-953 (1988).	

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2-28-06

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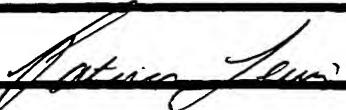
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				Application Number	10/602,136
				Filing Date	June 20, 2003
				First Named Inventor	Sommadossi <i>et al.</i>
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	5	of	6	Attorney Docket Number	06171.105074 IDX 1007 DIV

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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PL	EA	MATSUDA, A., <i>et al.</i> , "Nucleosides and Nucleotides. 94. Radical deoxygenation of <i>tert</i> -alcohols in 1-(2-C-alkylpentofuranosyl)pyrimidines : Synthesis of (2'S)-2'-deoxy-2'-C-methylcytidine, an antileukemic nucleoside," <i>J. Med. Chem.</i> , 34:234-239 (1991).	
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	EG	OIVANEN, M., <i>et al.</i> , "Additional evidence for the exceptional mechanism of the acid-catalyzed hydrolysis of 4-oxopyrimidine nucleosides: Hydrolysis of 1-(1-alkoxyalkyl)uracils, seconucleosides, 3'-C-alkyl nucleosides and nucleoside 3',5'-cyclic monophosphates," <i>J. Chem. Soc. Perkin Trans. 2</i> , 1994:309-314 (1994).	
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	EI	Oral Session V, Hepatitis C Virus, Flaviviridae; 16 th International Conference on Antiviral Research (April 27, 2003, Savannah, Ga.) p A75-77.	
	EJ	PAN-ZHOU, X-R., <i>et al.</i> , "Differential effects of antiretroviral nucleoside analogs on mitochondrial function in HepG2 cells," <i>Antimicrob. Agents Chemother.</i> , 44:496-503 (2000).	
✓	EK	ROSENTHAL, A., <i>et al.</i> , "Branched-chain sugar nucleosides. Synthesis of 3'-C-ethyl (and 3'-C-butyl)uridine <i>Carbohydrate Research</i> , 79:235-242 (1980).	
PL	EL	SAMANO, V., <i>et al.</i> , "Synthesis and radical-induced ring-opening reactions of 2'-deoxyadenosine-2'-spirocyclopropane and its uridine analogue. Mechanistic probe for ribonucleotide reductases," <i>J. Am. Chem. Soc.</i> , 114:4007-4008 (1992).	

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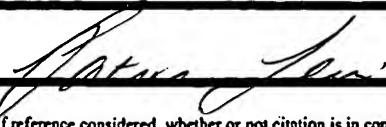
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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PL	FA	SAMANO, V., et al., "Nucleic acid related compounds. 77. 2',3'-Didehydro-2',3'-dideoxy-2'(and 3')-methylnucleosides via [3,3]-sigmatropic rearrangements of 2'(and 3')-methylene-3'(and 2')-O-thiocarbonyl derivatives and radical reduction of a 2'-chloro-3'-methylene analogue," <i>Can. J. Chem.</i> , 71:186-191 (1993).	
	FB	SCHMIT, C., et al., "The effects of 2'- and 3'-alkyl substituents on oligonucleotide hybridization and stability," <i>Biorganic & Medicinal Chemistry Letters</i> , 4(16):1969-1974 (1994). ["Altmann"]	
	FC	SERAFINOWSKI, P.J., et al., "New method for the preparation of some 2'- and 3'-trifluoromethyl-2',3'-dideoxyuridine derivatives," <i>Tetrahedron</i> (Elsevier Science Publishers), 56(2):333-339 (1999).	
	FD	SHARMA, P.K., et al., "Synthesis of 3'-trifluoromethyl nucleosides as potential antiviral agents," <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 19(4):757-774 (2000).	
	FE	SOMMADODSI J-P., et al., "Comparison of cytotoxicity of the (-) and (+)-enantiomer of 2',3'-dideoxy-3'-thiacytidine in normal human bone marrow progenitor cells" <i>Biochemical Pharmacology</i> , 44:1921-1925 (1992).	
	FF	SOMMADODSI J-P., et al., "Toxicity of 3'-azido-3'-deoxythymidine and 9-(1,3-dihydroxy-2-propoxymethyl)guanine for normal human hematopoietic progenitor cells in vitro" <i>Antimicrobial Agents and Chemotherapy</i> , 31:452-454 (1987).	
	FG	TRITSCH, D., et al., "3'- β -ethynyl and 2'-deoxy-3'- β -ethynyl adenosines: First 3'- β -branched adenosines substrates of adenosine deaminase," <i>Bioorganic & Medicinal Chemistry Letters</i> , 10:139-141 (2000).	
	FH	TUNITSKAYA, V.L., et al., "Substrate properties of C'-methyl UTP derivatives in T7 RNA polymerase reactions. Evidence for N-type NTP conformation," <i>FEBS Letters</i> , 400:263-266 (1997).	
	FI	USUI, H., et al., "Synthesis of 2'-deoxy-8,2'-ethanoadenosine and 3'-deoxy-8,3'-ethanoadenosine (Nucleosides and Nucleotides. LXIV)," <i>Chem. Pharm. Bull.</i> , 34(1):15-23 (1986).	
	FJ	WALCZAK, K., et al., "Synthesis of 1-(3-alkyl-2,3-dideoxy-D-pentofuranosyl)uracils with potential anti-HIV activity," <i>Acta Chemica Scand.</i> , 45:930-934 (1991).	
	FK	WALTON, E., et al., "Branched-chain sugar nucleosides. V. Synthesis and antiviral properties of several branched-chain sugar nucleotides," <i>J. Med. Chem.</i> , 12:306-309 (1969).	
↓	FL	WOLFE, M.S., et al., "A concise synthesis of 2'-C-methylribonucleosides," <i>Tetrahedron Letters</i> , 36(42):7611-7614 (1995).	
PL	FM	WU, J.-C., et al., "A new stereospecific synthesis of [3.1.0] bicyclic cyclopropano analog of 2',3'-dideoxyuridine, <i>Tetrahedron</i> , 46(7):2587-2592 (1990).	

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Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/602,136
				Filing Date	June 20, 2003
				First Named Inventor	Sommadossi <i>et al.</i>
				Group Art Unit	1646
				Examiner Name	Patrick Lewis
Sheet	1	of	2	Attorney Docket Number	06171.105074 IDX 1007 DIV

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U.S. PATENT DOCUMENTS							
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Pages/Relevant Figures Appear	T ²
		Number	Kind Code (if known)				
PL	AA	2002/0095033		Ramasamy <i>et al.</i>	07-18-2002		
	AB	6,495,677		Ramasamy <i>et al.</i>	12-17-2002		
	AC	2002/0198171		Schinazi <i>et al.</i>	12-26-2002		
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3995843 Examiner Signature		Date Considered	3-2-06
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/602,136
				Filing Date	June 20, 2003
				First Named Inventor	Sommadossi <i>et al.</i>
				Group Art Unit	1646
				Examiner Name	Patrick Lewis
2	of	2		Attorney Docket Number	06171.105074 IDX 1007 DIV

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FOREIGN PATENT DOCUMENTS							
Examiner Initials *	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages/ Relevant Figures Appear	T ⁴
		Office ³	Number				
K	BA	WO	03/068164	A2	Stuyver <i>et al.</i>	08-21-2003	
	BB	WO	04/000858	A2	Carroll <i>et al.</i>	12-31-2003	
	BC	WO	04/028481	A2	Roberts <i>et al.</i>	04-08-2004	
	BD	WO	04/046159	A1	Martin <i>et al.</i>	06-03-2004	
	BE	WO	04/003138	A2	Olsen <i>et al.</i>	01-08-2004	
V	BF	WO	04/007512	A2	Bhat <i>et al.</i>	01-22-2004	
PL	BG	WO	04/009020	A2	Olsen <i>et al.</i>	01-29-2004	

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